Financial Management Service

FMS PKI SETUP UPDATER INSTALLER

Version 9.0 – 05/15/2012

CHANGE TABLE

Version	Date	Change Description	Section/Page
V1.0	06/16/06	Initial Version CR38	All
V2.0	02/02/07	Release 4.00.6 – Document updated for ITRA v4.00.6 CR73	Section 2, 3
3.0	05/11/07	Release 4.1 – Document updated for ITRA v4.1 CR56 – new installer	All
4.0	06/28/07	Release 4.01.2 – Document updated to reflect changes in ITRA v4.01.2 CR96 CR98	Title Page Section 3.3
5.0	05/02/08	Release 5.0 – Updated to reflect renaming to FMS PKI Setup.	All
6.0	05/28/09	Release 5.00.8 – Updated for Java 1.6	Section 2
7.0	01/28/2011	Release 5.01.5 Updated for Java 64-bit and known issues in Windows 7	Sections 2.2 and 2.3
8.0	11/29/11	Release 5.01.6	Section 2.2
9.0	05/15/12	Rel 5.01.8 Updated for Rudimentary OID	Section 1

TABLE OF CONTENTS

1 INTRODUCTION TO ITRA

The Integrated Trusted Registration Agent (ITRA) is a system for creating and recovering PKI credentials. The client component of this system (the ITRA Client) is a PKI-token enabled Java thin-client. The client workstation requires only that an approved token reader and driver be installed, along with an appropriately installed Java runtime environment. The technology for such a client was developed, deployed, and proven as part of the Secure Payment System (SPS) project. This technology is expanded and re-used as the foundation for the ITRA Client, without dependencies on SPS. The ITRA Client is extensible to include new features that facilitate user enrollment and management.


ITRA Client

Currently, the ITRA provides two modes of operation:

1. **"TRA Assisted"** use of ITRA, for which TRA intervention is needed, and applies specifically to creation and recovery of high assurance Level-3 users' credentials;

2. **"Self Service"** use of ITRA, which is available for all other ITRA functions, for which a TRA does not need to intervene. This specifically applies to creation and recovery of Level-1 users' credentials, PIN changes, and certain credential management/update operations which are part of a forthcoming release.

There is also a distinction made between:

1. **Level-1/Low-Assurance Credentials** that do not require in-person proofing to obtain, and have a streamlined acquisition process. TCIS and DebtCheck are examples of applications only requiring Level-1 credentials for access.

2. **Level-3/High-Assurance Credentials** that require in-person proofing and a rigorous vetting process to obtain. SPS and ASAP are examples of applications requiring Level-3 credentials for access.

This document describes the Updater Installer for the ITRA Client on an end-user workstation.
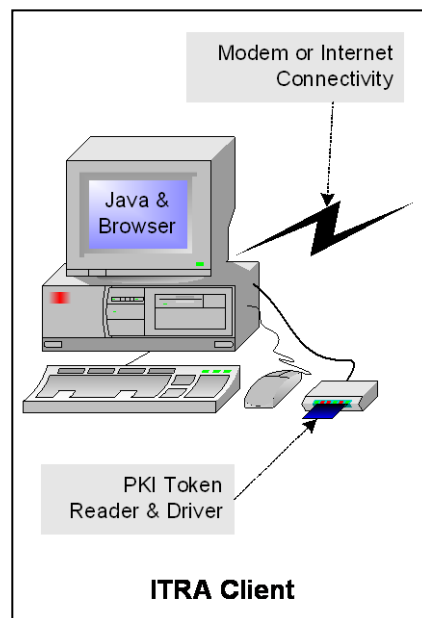
2 END-USER UPDATER INSTALLER

2.1 Introduction

An update program (Updater Installer) has been built to allow users to update their installation of the FMS PKI Setup client installation without having to perform a reinstall. Executing this installer will update the necessary files and security configurations for both the Java and the desktop environments.

The Updater Installer can also be used to do a new install of the FMS PKI Setup on a workstation. Because the Updater Installer does not install Java, it can be executed by users that need to use a different version of Java. These users can install Java separately, and then execute the Updater Installer to install the FMS PKI Setup instead of the Desktop Installer. Java version 1.6 is the recommended version for ITRA. Users running another version of Java must be aware that only Java version 1.6.0 is supported by FMS and another version may not be fully functional for ITRA.

This document will aid the various administrators in deploying FMS PKI applications including, the ITRA application and TWAI applications, on the end-user desktop. It provides a simple walkthrough of the Updater Installer along with a description of what actions are taken at each step of the installation. The person executing the instructions in this document MUST have "Administrator" privileges on the end-user desktop.

Note: This document assumes that the network connectivity between the end-user desktop machine and the ITRA web server is set up correctly – using the public Internet, dial-up modem connection or the internal FMS LAN connectivity.

2.2 FMS PKI Setup Desktop Installer

The FMS PKI Setup Desktop Installer is an installation program written to automate the FMS PKI client installation process. Through the execution of the FMS PKI Setup Desktop Installer, all of the necessary programs, helpers, directory structures and modifications to the system will be installed. Specifically, the Desktop Installer will install Java and the Safenet Authentication Client middleware. If no newer version of Java is detected, the installer will install 32-bit Java 1.6.0_27. The installer will automatically install SAC only if no other middleware (Datakey CIP or BSec) is found on the machine. If other middleware is found, then the installer will not install SAC and ITRA will continue to use and function with the previously installed middleware.

Please see the FMS PKI Setup Desktop Installation document for more information on the Desktop Installer and its requirements.

2.3 Additional Information

For additional information on the FMS PKI Desktop installation, configuration of the installation, and any additional components that may need installed (including middleware software, Java, and TWAI components), please see the FMS PKI Setup Desktop Installation document.

3 INSTALLER WALKTHROUGH

The exact path through the installation will be different depending on what software is already installed on the host computer. Those screens that do not appear in all executions of the installer are noted as such. The installer will perform updates in one of three ways depending on the state of the current installation:

- Perform a light weight, new install of FMS PKI Setup

- Perform a re-install, over writing a previous manually installed FMS PKI Setup

- Perform an update to an existing installed version of FMS PKI Setup

The Cancel button may be used to stop the installation. When pressed, the user will be prompted to confirm the cancellation as shown in Figure 1.

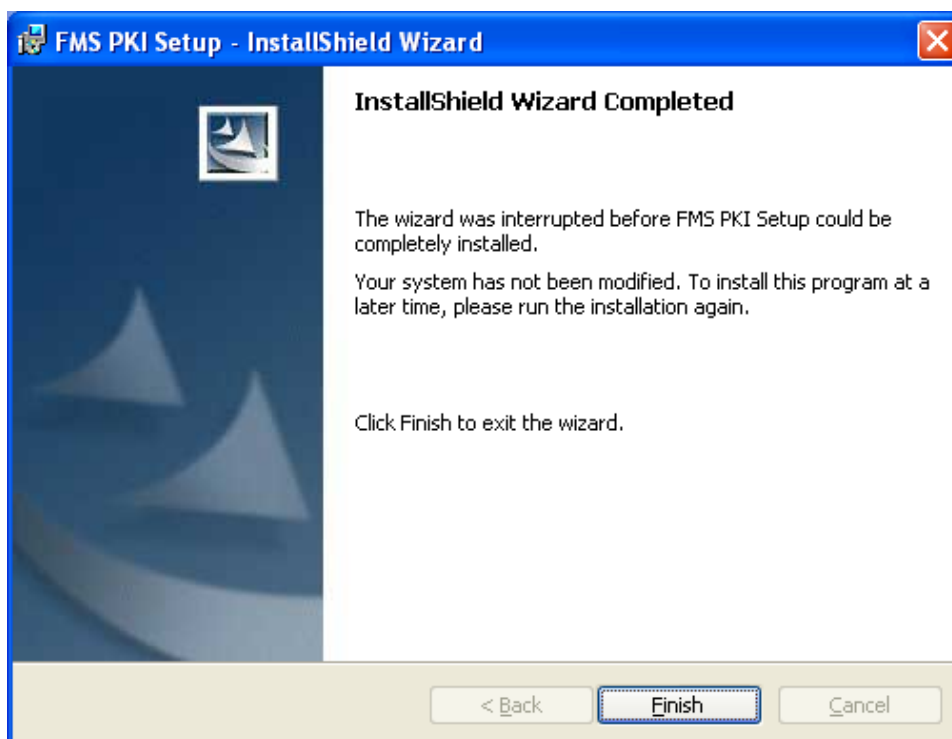
Figure 1– Confirming the cancellation of the install

Figure 2 – Installation cancelled

3.1 Welcome Screen

The FMS PKI Setup welcome screen will display when the Updater Installer will install FMS PKI Setup. This welcome screen will be similar in appearance to Figure 3. Click Next to continue with the update process.
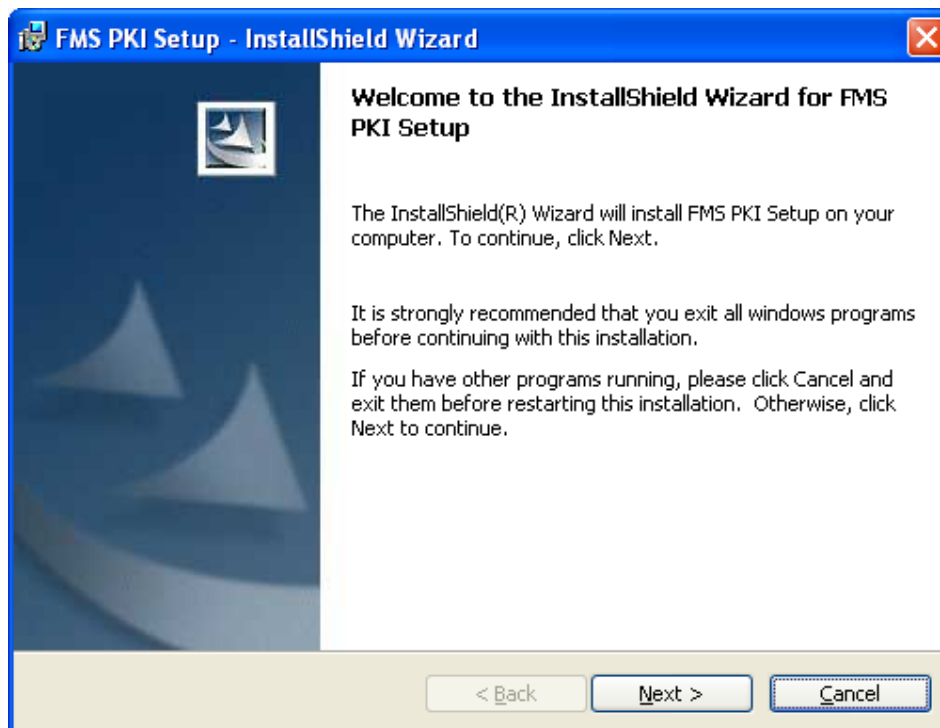

Figure 3 – Welcome screen

If a previously installed FMS PKI Setup has been found, the FMS PKI Setup welcome screen will display as in Figure 4. Click Next to continue to update, repair or remove the current FMS PKI Setup installation. For more information please see Section 3.5 FMS PKI Setup Program Maintenance.
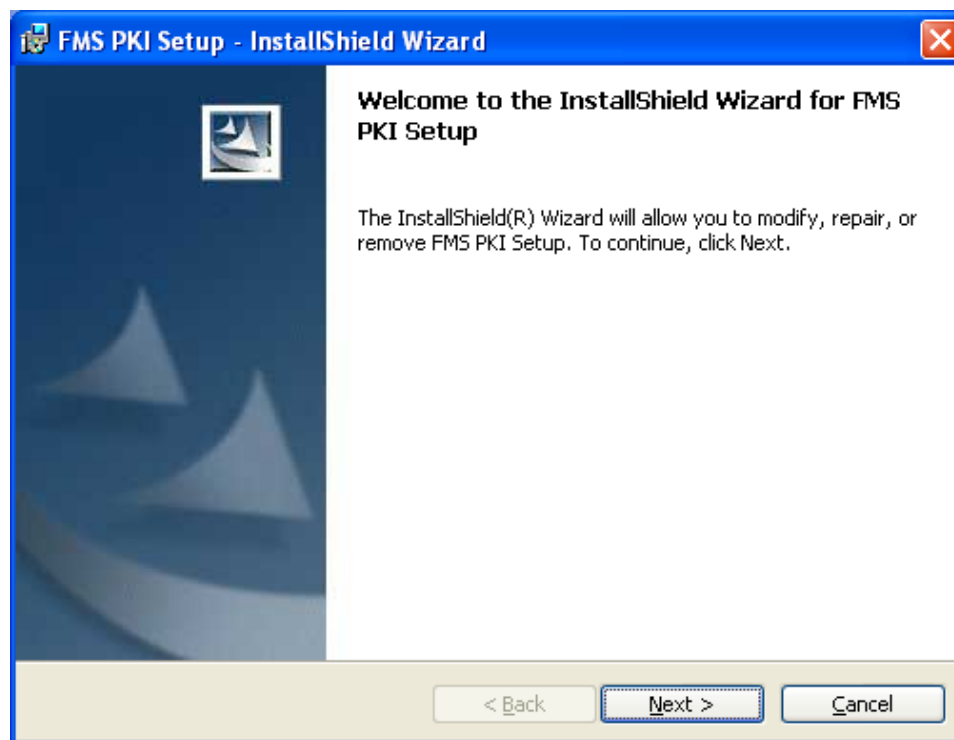
Figure 4 - – Previous installer-based installation check

3.2 Destination Folder

The user may now choose a location for the installation. The default location of "`C:\itra`" may be used, or the location can be changed if desired. Click Next to continue the installation process (Figure 5).
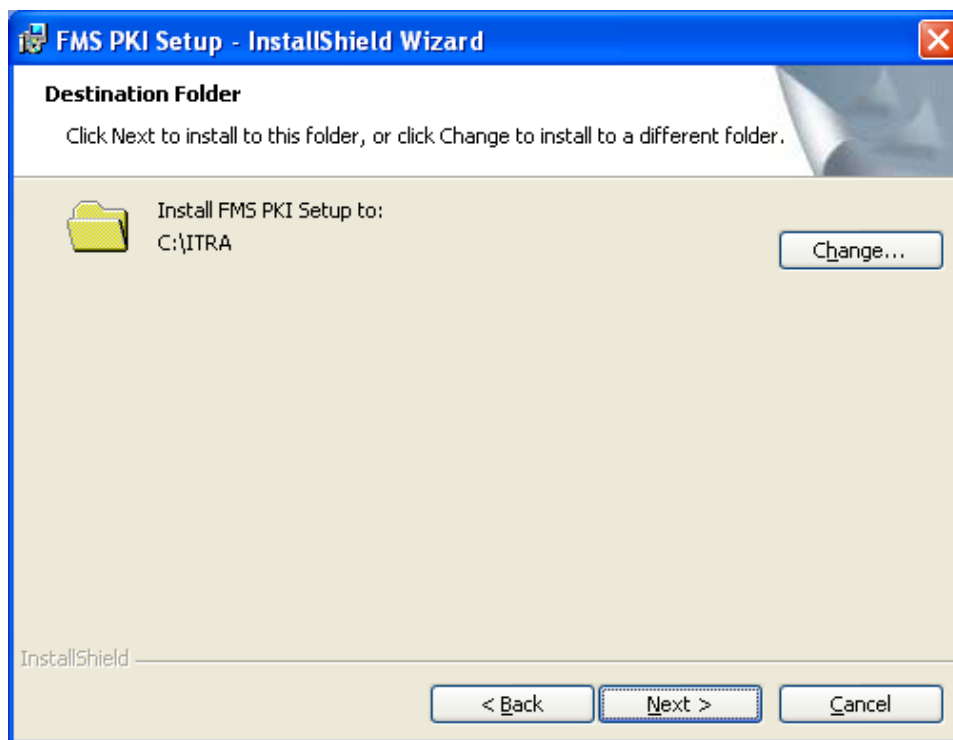
Figure 5 – Destination Folder

3.3 Ready to Install

FMS PKI Setup is now ready to be installed. Click "Next" to install FMS PKI Setup. The screen will display the status of the installation. Please be aware that other screens, including MS-DOS windows, may display during the installation.
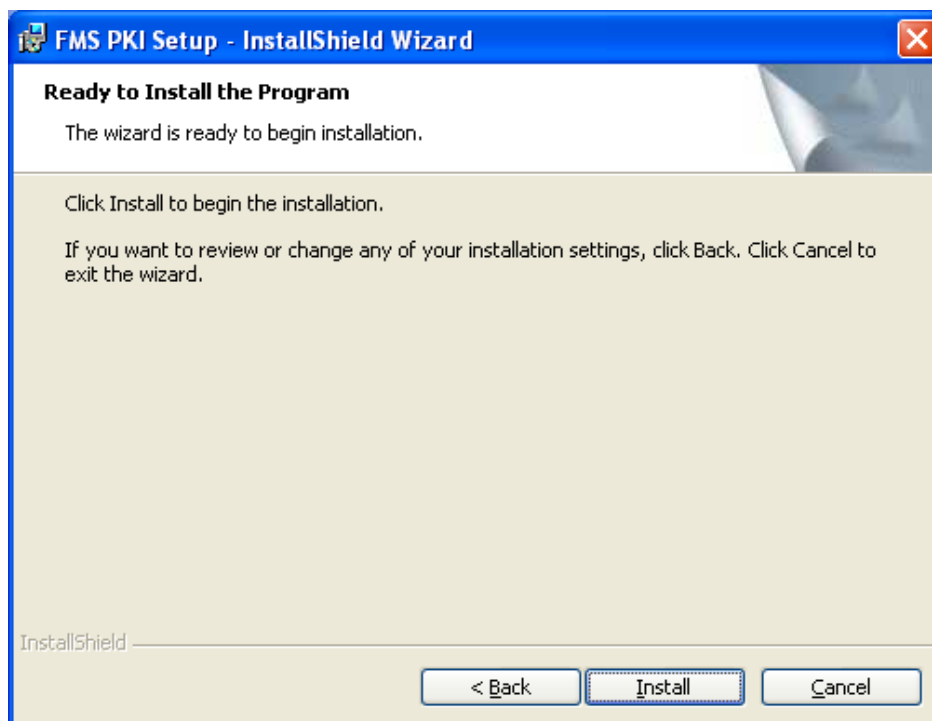
Figure 6 – Ready to Update

3.4 Installation completed

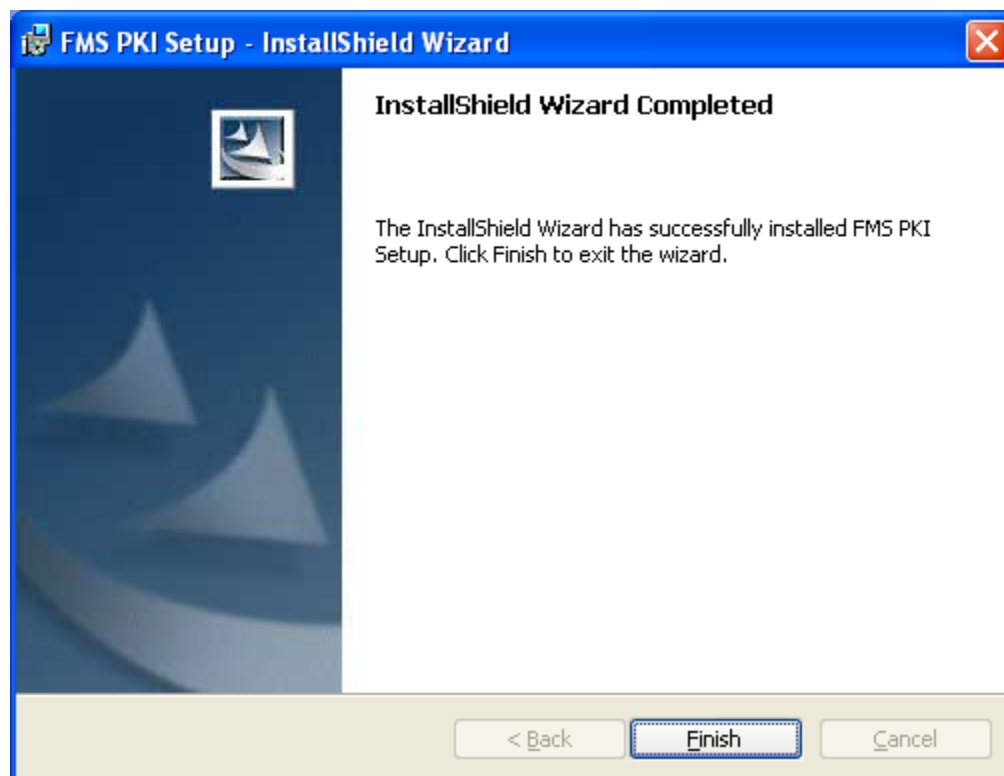The installation has completed. Click "Finish" to exit the installer.

Figure 7 – Completed

3.5 FMS PKI Setup Program Maintenance

If FMS PKI Setup is already installed, the Update Installer can be run to modify, repair or remove the current installation. The welcome screen (Section 3.1) will state whether or not there is a current installation.   Click "Next" on that screen to view the options for program maintenance (Figure 8).
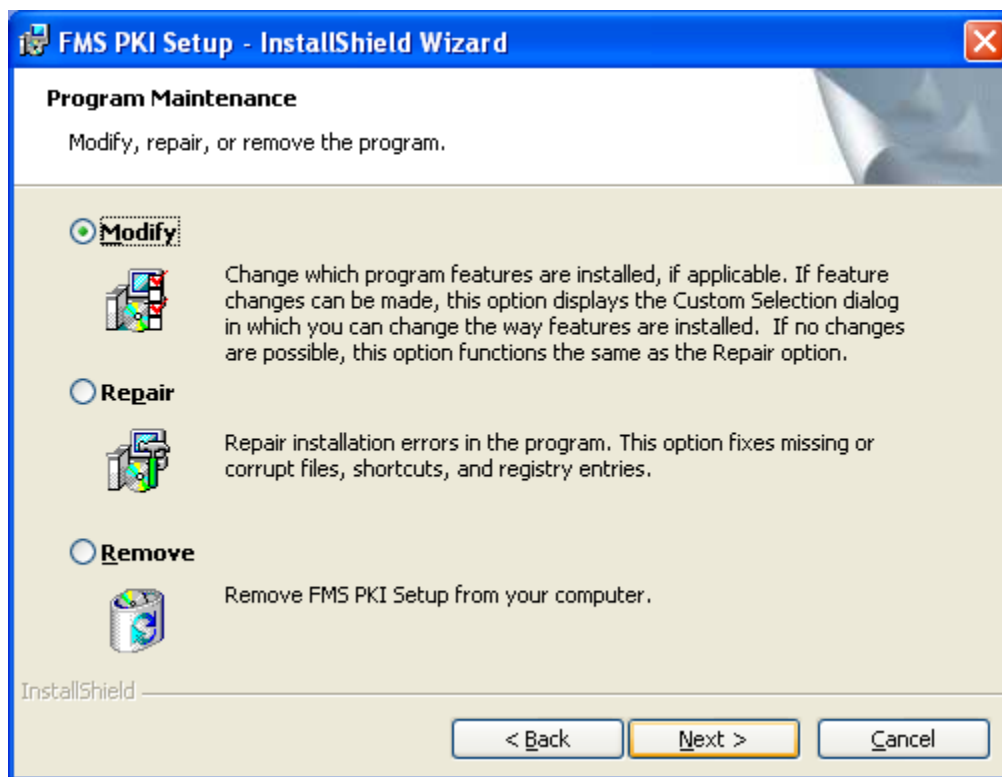

Figure 8 – Program maintenance options

Choosing the Update option will display the "Ready to Update" screen (similar to Figure 6) and allow the user to install additional components.

Choosing the Repair option will display the "Ready to Repair" screen (similar to Figure 6) and will then repair the installation.

Choosing the Remove option will display the "Remove the Program" screen. After clicking the Next button on this screen, the installer will remove the installation.